

DP-301550

INTEGRATED LIGHT CONCENTRATOR

ABSTRACT OF THE DISCLOSURE

An infrared sensor including an absorber for absorbing incident
5 infrared power to produce a signal representing the temperature of a target object,
a frame supporting a membrane which carries the absorber, the frame including a
plurality of reflecting surfaces disposed about the circumference of an opening
over which the membrane spans for reflecting incident infrared power toward the
absorber. By concentrating incident infrared power through reflection, the
10 temperature difference between the absorber and the surrounding frame is
increased, thereby producing an increased electrical output from the sensor.

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